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(54) COMPOSITE OF LAMINAR MULTIPLE HYDROXIDE AND SACCHARIDE, ITS PRODUCTION, AND RECOVERING MATERIAL FOR SACCHARIDE

(57)Abstract:

PROBLEM TO BE SOLVED: To produce a composite in which saccharides consisting of one or two or more kinds of monosaccharide, disaccharide and trisaccharide are incorporated between layers of a laminar multiple hydroxide and to provide a recovering material for saccharides.

SOLUTION: This composite is obtained by adding a pyrolytic matter obtained by heating the laminar multiple hydroxide and expressed by formula $M2+1-xM3+xO1+x/2$ (in the formula, $M2+$ is one or two or more kinds of bivalent metal selected among Mg, Mn, Fe, Co, Ni, Cu and Zn, $M3+$ is one or two or more kinds of trivalent metal selected among Al, Fe, Cr, Co and In. $0.1 \leq x < 0.4$) to aq. soln. of saccharides consisting of one or two or more kinds of monosaccharide, disaccharide and trisaccharide and allowing the mixture to react in a nitrogen atmosphere, and the composite is used as a recovering material for saccharide.

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